

## ABSTRACT

[0056] The invention relates to a method of treating Attention Deficit Disorder (ADD) and Attention Deficit/Hyperactivity Disorder (ADHD) and compositions for topical application of methylphenidate comprising methylphenidate in a flexible, finite system wherein said composition comprises about 10 to 30 wt% methylphenidate, about 30 to 50 wt% acrylic adhesive, and about 30 to 50 wt% silicone adhesive and wherein said methylphenidate is delivered to a subject in need thereof such that the plasma concentration of methylphenidate increases over a period of about 6-16 hours, and more preferably over a period of about 6-12 hours followed by a steady decrease in plasma concentration of methylphenidate..